

# FIGURE 1

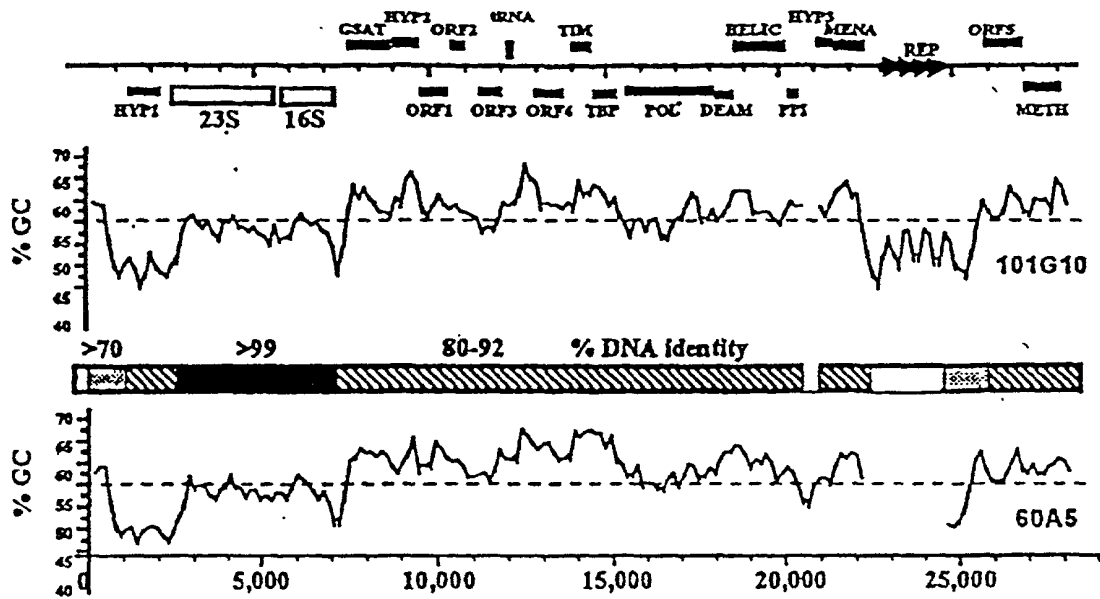


Figure 2

Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)
Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG GCGGCGCATG	~~~~~	25
	B	AAGCTAAACT TTTAAT TGGG ATCCGGCGAG CCGGCGCGTG	~~~~~	
Hypoth 02	A	GGAAACTTTG ATTATA CGGG CGTGCTGCCC CGGGGGCCCAT	G~~~~~	26
	B	GGAAACTTTG ATTATA CGGG CGTACATTCC CGGGGGCCCAT	G~~~~~	
ORF 02	A	AAGGCAAGGT AATAAT AGCC TGCCGTCTGT AACGGCCGTA	TG~~~~~	27
	B	ACGGCAAGGT AATAAT AGCC TGCCGTCCGT ACCTGCCGTA	TG~~~~~	
ORF 03	A	CATGGAAC TA GATATT AACC GGTTCGCGG ATCCCATGCA	TG~~~~~	27
	B	CATGGAAC TA GATAAT AACC GGTCCC GCGG GTACAATGCA	TG~~~~~	
PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCGCGCGC	ATG~~~~~	28
	B	AGCACGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC	ATG~~~~~	
GSAT	A	ATCCGCCCTG ATTAAA TTAT GGGGGGAGCG GCCTGCTGCC	GTG~~~~~	28
	B	ATCCGGCCTC ATTAAA TTAC GGGGGGTACA ACCTGCTGCC	GTG~~~~~	
ORF 05	A	CCTTCATACA CATAAA TCCC GCTTGATGT GCGGCTGCGC	ATG~~~~~	28
	B	ACTTCATACA CATAAA TCCC GCCTGAACGG TCGTCCGCGC	ATG~~~~~	
deaminase	A	.GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC	GTTG~~~~~	29
	B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCCC	.GTG~~~~~	
RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG	CGTG~~~~~	29
	B	GGGTAGAAAC CATAAA ACAA CAGGCCGCGG CAGGGCG.CG	CGTG~~~~~	
ORF 06	A	.ACACGCAG TATAAA CGGG GGCCCGGGCG GCGCGTATCA	CATG~~~~~	29
	B	ATACACGTGG TATAAA CAGA GG.CCGGACG GCGCGGACCA	CATG~~~~~	
trNA-tyr	A	GCGATAGTTA TTTAAA ACTA GGATGCCGAT CACGGATCGT	CCCA~~~~~	29
	B	GCGATAGTTA TTTAAA ACTA GGATGCCGGG CACCCGTCGT	CCCA~~~~~	
TBP	A	CCGGGCCCCG GTTAAA ATAG CG.CACGGGC GGATCCTGAC	CAATG~~~~~	30
	B	CCGGGCCCCG GTTAAA ATAG AGTGCGGCCG GGCACCGGAT	CAATG~~~~~	
TIM	A	GCGTCGATAG AATAAA TACG CGCAGGGGGC CCCGTGGCGC	GATCGCCCGT	G~~~~~ 36
	B	GCGTCGATAG AATAAA TACG CGC.GGGGCC GCGGTGC...	GATCGCCCGT	G~~~~~
Hypoth 01	A	ATTTCAACTA CATAAA TGCC TAGTTACGCA GAAATAGCAA	ACGACGTACT	TCGACTAATG 45
	B	ACTTCAACTA CATAAA TGCC TAGCTACGCA GAAATATCAA	ACAAAGTACT	TCGACTAATG
ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCCCTGCGT TGTA //..G	CGGGGTGCGG	CAGGGGATG 52
	B	ACGGCAGGCT ATTATT ACCT TGCCGTGTG. TACA //..G	AGGGGGCCTG	CCGGGAGTG
Methylase	A	CTACAACGAT TTTAAG TCGG CGCCGGGGCA GCCG.//..G	ATGTGGGGCA	GGCAACATG 104
	B	CTACAAAGAT TTTAAG ACGG CGCGGGTGCC GCGG.//..T	GGCACGGGGG	CCTATCTTG
16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT	CGTACGTGAC	GC.//..AAT 220
	B	CCGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT	CGTACGTGAC	GC.//..AAT

Archaeal promoter consensus YTTAWA

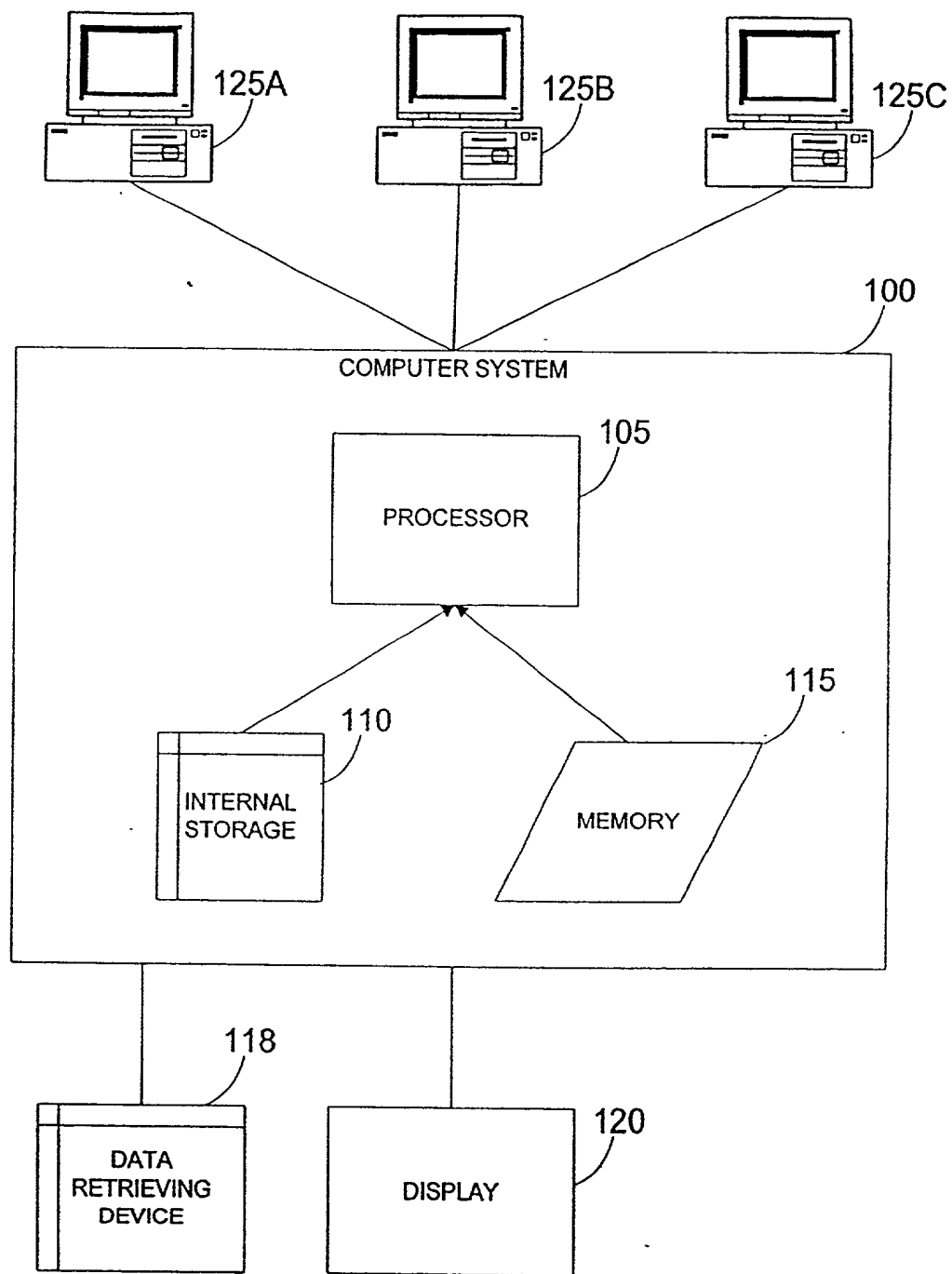


FIGURE 3

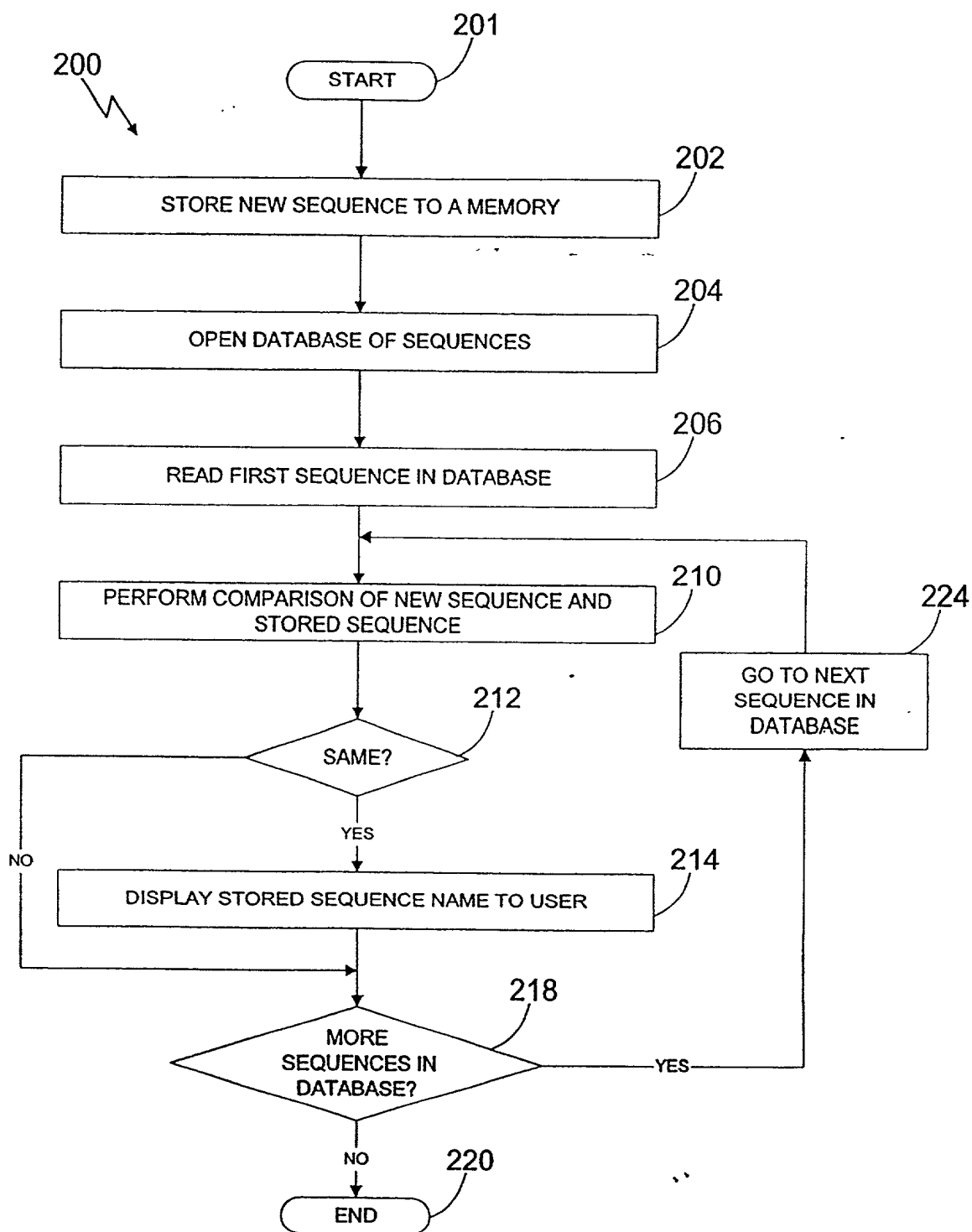


FIGURE 4

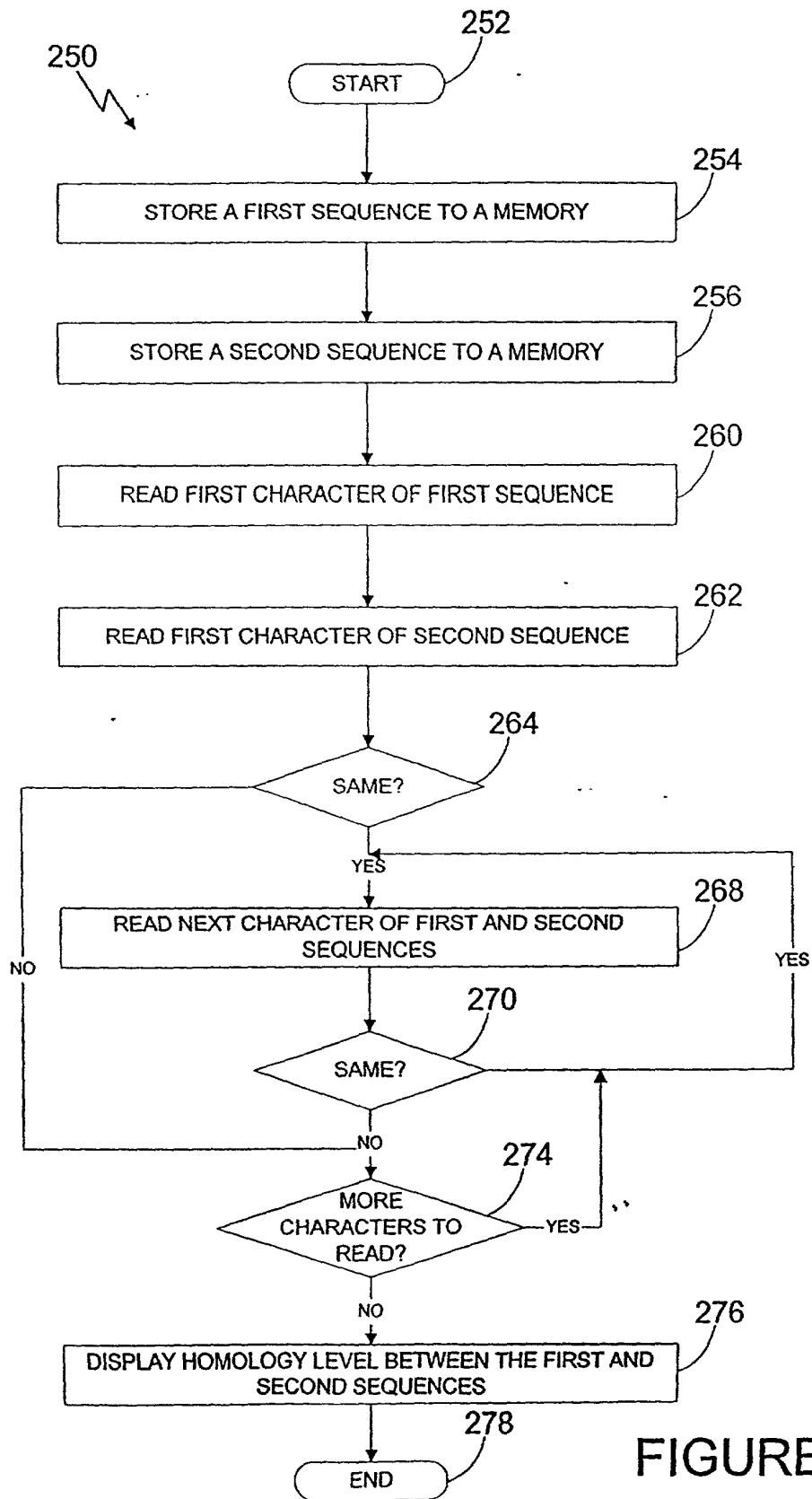


FIGURE 5

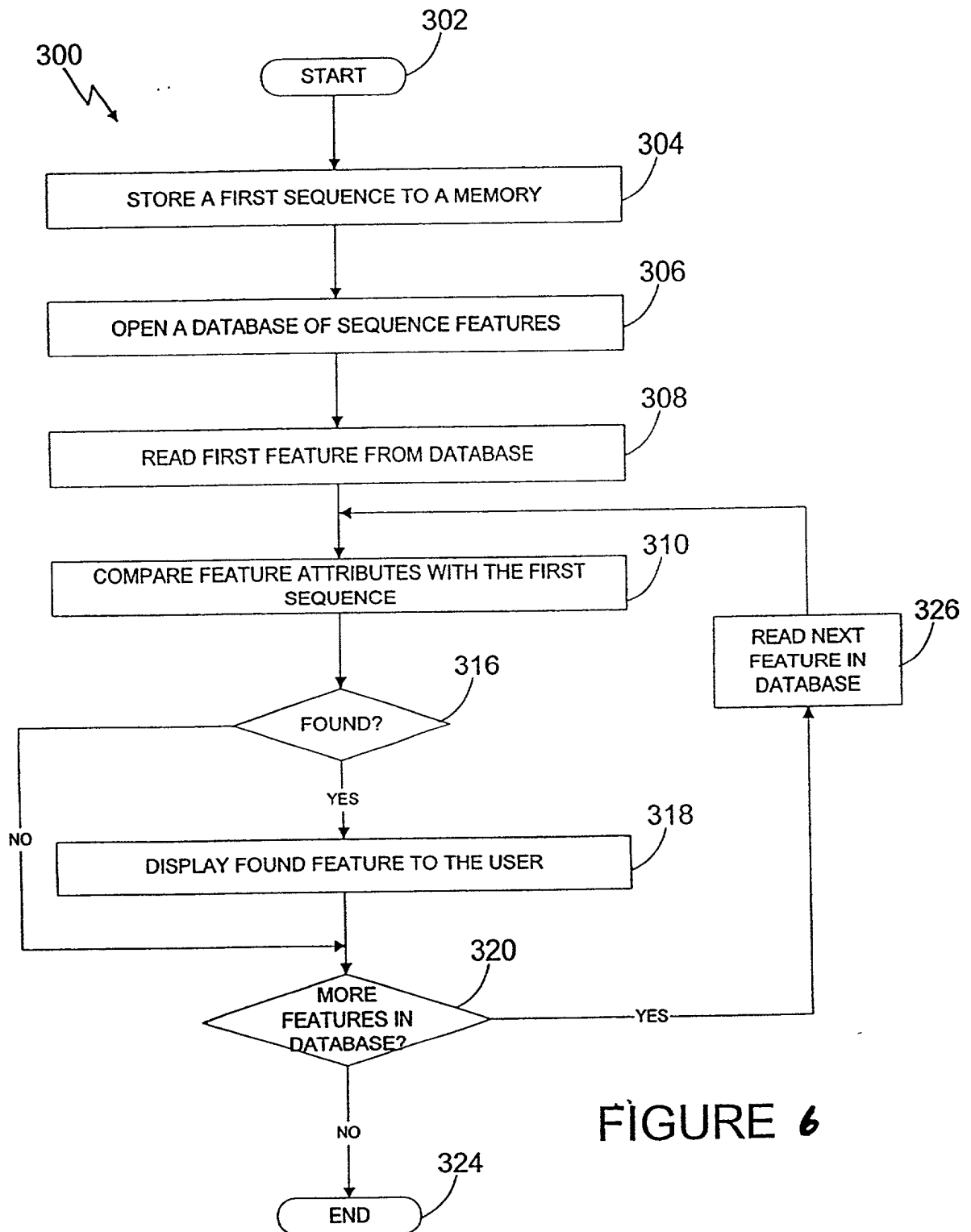


FIGURE 6